



STAAR Item Analysis with Responses by Item

for Region 12

Subject: Science Curriculum: Biology Language: E Administration: 5 2014 Test Version(s): STAAR,STAAR-L
 Demographic Group(s): All Students
 Student Count: 11491 Source: Admin

#	Course	Reporting Standard/Student Expectation	Correct	A/F	B/G	C/H	D/J	Other
1	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 7A - analyze and evaluate how evidence of common ancestry among groups is provided by the fossil record, biogeography, and homologies, including anatomical, molecular, and developmental (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	D 82%	1231 11%	165 1%	600 5%	9383 82%	5 0%
2	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 10B - describe the interactions that occur among systems that perform the functions of transport, reproduction, and response in plants (R) DUAL: 2F - collect and organize qualitative and quantitative data and make measurements with accuracy and precision using tools such as calculators, spreadsheet software, data-collecting probes, computers, standard laboratory glassware, microscopes, various prepared slides, stereoscopes, metric rulers, electronic balances, gel electrophoresis apparatuses, micropipettors, hand lenses, Celsius thermometers, hot plates, lab notebooks or journals, timing devices, cameras, Petri dishes, lab incubators, dissection equipment, meter sticks, and models, diagrams, or samples of biological specimens or structures (P)	F 84%	9592 84%	232 2%	1432 13%	121 1%	7 0%
3	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12B - compare variations and adaptations of organisms in different ecosystems (S) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	B 92%	529 5%	10459 92%	242 2%	149 1%	5 0%
4	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6E - identify and illustrate changes in DNA and evaluate the significance of these changes (R) DUAL:	F 64%	7287 64%	1629 14%	1916 17%	543 5%	9 0%
5	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 7B - analyze and evaluate scientific explanations concerning any data of sudden appearance, stasis, and sequential nature of groups in the fossil record (S) DUAL: 2C - know scientific theories are based on natural and physical phenomena and are capable of being tested by multiple independent researchers. Unlike hypotheses, scientific theories are well-established and highly-reliable explanations, but they may be subject to change as new areas of science and new technologies are developed (P)	D 53%	1512 13%	1815 16%	1962 17%	6079 53%	16 0%
6	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 5D - recognize that disruptions of the cell cycle lead to diseases such as cancer (S) DUAL: 3D - evaluate the impact of scientific research on society and the environment (P)	F 47%	5366 47%	787 7%	1787 16%	3437 30%	7 0%

* Standard type: Green - Readiness, Blue - Supporting, Purple - Process

* Level of concern: Red - Challenging(<70%), Orange - Moderate(70-79%), Yellow - Low Risk(80-100%)



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7	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 10B - describe the interactions that occur among systems that perform the functions of transport, reproduction, and response in plants (R) DUAL:	C 53%	2739 24%	1257 11%	6040 53%	1337 12%	11 0%
8	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 9A - compare the structures and functions of different types of biomolecules, including carbohydrates, lipids, proteins, and nucleic acids (R) DUAL:	J 41%	914 8%	4755 42%	1047 9%	4659 41%	9 0%
9	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 7F - analyze and evaluate the effects of other evolutionary mechanisms, including genetic drift, gene flow, mutation, and recombination (S) DUAL:	C 51%	1382 12%	3448 30%	5788 51%	755 7%	11 0%
10	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12F - describe how environmental change can impact ecosystem stability (R) DUAL:	F 44%	5060 44%	1457 13%	2452 22%	2400 21%	15 0%
11	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 8B - categorize organisms using a hierarchical classification system based on similarities and differences shared among groups (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	D 58%	611 5%	1175 10%	3035 27%	6550 58%	13 0%
12	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6G - recognize the significance of meiosis to sexual reproduction (S) DUAL:	H 50%	2333 20%	2276 20%	5714 50%	1049 9%	12 0%
13	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 10A - describe the interactions that occur among systems that perform the functions of regulation, nutrient absorption, reproduction, and defense from injury or illness in animals (R) DUAL:	C 86%	419 4%	292 3%	9745 86%	922 8%	6 0%

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14	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 11C - summarize the role of microorganisms in both maintaining and disrupting the health of both organisms and ecosystems (S) DUAL:	J 63%	1579 14%	2384 21%	222 2%	7189 63%	10 0%
15	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 4C - compare the structures of viruses to cells, describe viral reproduction, and describe the role of viruses in causing diseases such as human immunodeficiency virus (HIV) and influenza (R) DUAL:	B 45%	3023 27%	5138 45%	708 6%	2503 22%	12 0%
16	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12C - analyze the flow of matter and energy through trophic levels using various models, including food chains, food webs, and ecological pyramids (R) DUAL:	J 24%	2646 23%	1205 11%	4831 42%	2687 24%	15 0%
17	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6A - identify components of DNA, and describe how information for specifying the traits of an organism is carried in the DNA (R) DUAL:	A 51%	5825 51%	2663 23%	1446 13%	1437 13%	13 0%
18	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 10C - analyze the levels of organization in biological systems and relate the levels to each other and to the whole system (S) DUAL:	H 82%	501 4%	1285 11%	9291 82%	296 3%	11 0%
19	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6B - recognize that components that make up the genetic code are common to all organisms (S) DUAL:	D 59%	450 4%	548 5%	3671 32%	6700 59%	15 0%
20	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 7E - analyze and evaluate the relationship of natural selection to adaptation and to the development of diversity in and among species (R) DUAL:	G 91%	470 4%	10312 91%	248 2%	347 3%	7 0%

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21	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 11A - describe the role of internal feedback mechanisms in the maintenance of homeostasis (S) DUAL:	C 57%	2513 22%	1534 13%	6438 57%	886 8%	13 0%
22	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 5A - describe the stages of the cell cycle, including deoxyribonucleic acid (DNA) replication and mitosis and the importance of the cell cycle to the growth of organisms (R) DUAL:	G 56%	1273 11%	6387 56%	1568 14%	2146 19%	10 0%
23	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12A - interpret relationships, including predation, parasitism, commensalism, mutualism, and competition among organisms (R) DUAL:	D 67%	2413 21%	575 5%	703 6%	7681 67%	12 0%
24	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6F - predict possible outcomes of various genetic combinations such as monohybrid crosses, dihybrid crosses and non-Mendelian inheritance (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	G 47%	604 5%	5301 47%	4933 43%	535 5%	11 0%
25	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 11D - describe how events and processes that occur during ecological succession can change populations and species diversity (R) DUAL:	A 53%	6042 53%	1509 13%	1095 10%	2720 24%	18 0%
26	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 10A - describe the interactions that occur among systems that perform the functions of regulation, nutrient absorption, reproduction, and defense from injury or illness in animals (R) DUAL:	H 66%	839 7%	298 3%	7564 66%	2672 23%	11 0%
27	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 4B - investigate and explain cellular processes, including homeostasis, energy conversions, transport of molecules, and synthesis of new molecules (R) DUAL:	A 42%	4829 42%	1504 13%	749 7%	4279 38%	23 0%

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28	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6D - recognize that gene expression is a regulated process (S) DUAL: 3F - research and describe the history of biology and contributions of scientists (P)	H 53%	4180 37%	604 5%	6024 53%	563 5%	13 0%
29	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 4C - compare the structures of viruses to cells, describe viral reproduction, and describe the role of viruses in causing diseases such as human immunodeficiency virus (HIV) and influenza (R) DUAL:	D 39%	1929 17%	2416 21%	2608 23%	4417 39%	14 0%
30	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 9C - identify and investigate the role of enzymes (S) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	G 44%	1514 13%	5045 44%	3671 32%	1144 10%	10 0%
31	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6H - describe how techniques such as DNA fingerprinting, genetic modifications, and chromosomal analysis are used to study the genomes of organisms (S) DUAL:	A 53%	6052 53%	1804 16%	1698 15%	1817 16%	13 0%
32	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 10A - describe the interactions that occur among systems that perform the functions of regulation, nutrient absorption, reproduction, and defense from injury or illness in animals (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	G 52%	1009 9%	5949 52%	1181 10%	3235 28%	10 0%
33	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 4B - investigate and explain cellular processes, including homeostasis, energy conversions, transport of molecules, and synthesis of new molecules (R) DUAL: 3F - research and describe the history of biology and contributions of scientists (P)	D 40%	2576 23%	2266 20%	1958 17%	4570 40%	14 0%
34	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12A - interpret relationships, including predation, parasitism, commensalism, mutualism, and competition among organisms (R) DUAL:	F 74%	8409 74%	550 5%	1151 10%	1266 11%	8 0%

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35	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 5C - describe the roles of DNA, ribonucleic acid (RNA), and environmental factors in cell differentiation (S) DUAL: 3B - communicate and apply scientific information extracted from various sources such as current events, news reports, published journal articles, and marketing materials (P)	B 67%	913 8%	7582 67%	1296 11%	1582 14%	11 0%
36	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12C - analyze the flow of matter and energy through trophic levels using various models, including food chains, food webs, and ecological pyramids (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	H 36%	4769 42%	1913 17%	4050 36%	640 6%	12 0%
37	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 10B - describe the interactions that occur among systems that perform the functions of transport, reproduction, and response in plants (R) DUAL:	A 62%	7052 62%	1526 13%	1089 10%	1705 15%	12 0%
38	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 8A - define taxonomy and recognize the importance of a standardized taxonomic system to the scientific community (S) DUAL: 3F - research and describe the history of biology and contributions of scientists (P)	J 54%	1738 15%	2715 24%	768 7%	6153 54%	10 0%
39	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6E - identify and illustrate changes in DNA and evaluate the significance of these changes (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	A 71%	8117 71%	1492 13%	680 6%	1085 10%	10 0%
40	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 7E - analyze and evaluate the relationship of natural selection to adaptation and to the development of diversity in and among species (R) DUAL:	H 46%	1875 16%	3882 34%	5255 46%	366 3%	6 0%
41	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12E - describe the flow of matter through the carbon and nitrogen cycles and explain the consequences of disrupting these cycles (S) DUAL:	B 49%	1118 10%	5525 49%	3819 34%	914 8%	8 0%

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42	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 7A - analyze and evaluate how evidence of common ancestry among groups is provided by the fossil record, biogeography, and homologies, including anatomical, molecular, and developmental (R) DUAL:	J 75%	705 6%	825 7%	1251 11%	8589 75%	14 0%
43	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6F - predict possible outcomes of various genetic combinations such as monohybrid crosses, dihybrid crosses and non-Mendelian inheritance (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	A 60%	6882 60%	1303 11%	446 4%	2742 24%	11 0%
44	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 9A - compare the structures and functions of different types of biomolecules, including carbohydrates, lipids, proteins, and nucleic acids (R) DUAL:	H 54%	1692 15%	1425 13%	6142 54%	2118 19%	7 0%
45	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 12F - describe how environmental change can impact ecosystem stability (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	D 49%	2818 25%	1145 10%	1862 16%	5543 49%	16 0%
46	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 9B - compare the reactants and products of photosynthesis and cellular respiration in terms of energy and matter (S) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	F 50%	5726 50%	2308 20%	2292 20%	1040 9%	18 0%
47	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 5A - describe the stages of the cell cycle, including deoxyribonucleic acid (DNA) replication and mitosis and the importance of the cell cycle to the growth of organisms (R) DUAL:	D 61%	1132 10%	2239 20%	1072 9%	6930 61%	11 0%
48	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6C - explain the purpose and process of transcription and translation using models of DNA and RNA (S) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	H 79%	744 7%	1065 9%	8941 79%	622 5%	12 0%

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49	Biology	Rpt Cat 4 - The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms. SE: 9C - identify and investigate the role of enzymes (S) DUAL: 2E - plan and implement descriptive, comparative, and experimental investigations, including asking questions, formulating testable hypotheses, and selecting equipment and technology (P)	D 71%	877 8%	1659 15%	803 7%	8030 71%	15 0%
50	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 7D - analyze and evaluate how the elements of natural selection, including inherited variation, the potential of a population to produce more offspring than can survive, and a finite supply of environmental resources, result in differential reproductive success (S) DUAL:	G 58%	1298 11%	6624 58%	2514 22%	939 8%	9 0%
51	Biology	Rpt Cat 1 - The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things. SE: 5B - examine specialized cells, including roots, stems, and leaves of plants; and animal cells such as blood, muscle, and epithelium (S) DUAL:	B 63%	1996 18%	7134 63%	666 6%	1572 14%	16 0%
52	Biology	Rpt Cat 2 - The student will demonstrate an understanding of the mechanisms of genetics. SE: 6A - identify components of DNA, and describe how information for specifying the traits of an organism is carried in the DNA (R) DUAL: 3F - research and describe the history of biology and contributions of scientists (P)	J 70%	768 7%	846 7%	1786 16%	7977 70%	7 0%
53	Biology	Rpt Cat 5 - The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance. SE: 11D - describe how events and processes that occur during ecological succession can change populations and species diversity (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	A 58%	6627 58%	2429 21%	931 8%	1386 12%	11 0%
54	Biology	Rpt Cat 3 - The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms. SE: 8B - categorize organisms using a hierarchical classification system based on similarities and differences shared among groups (R) DUAL: 2G - analyze, evaluate, make inferences, and predict trends from data (P)	J 88%	335 3%	411 4%	564 5%	10062 88%	12 0%

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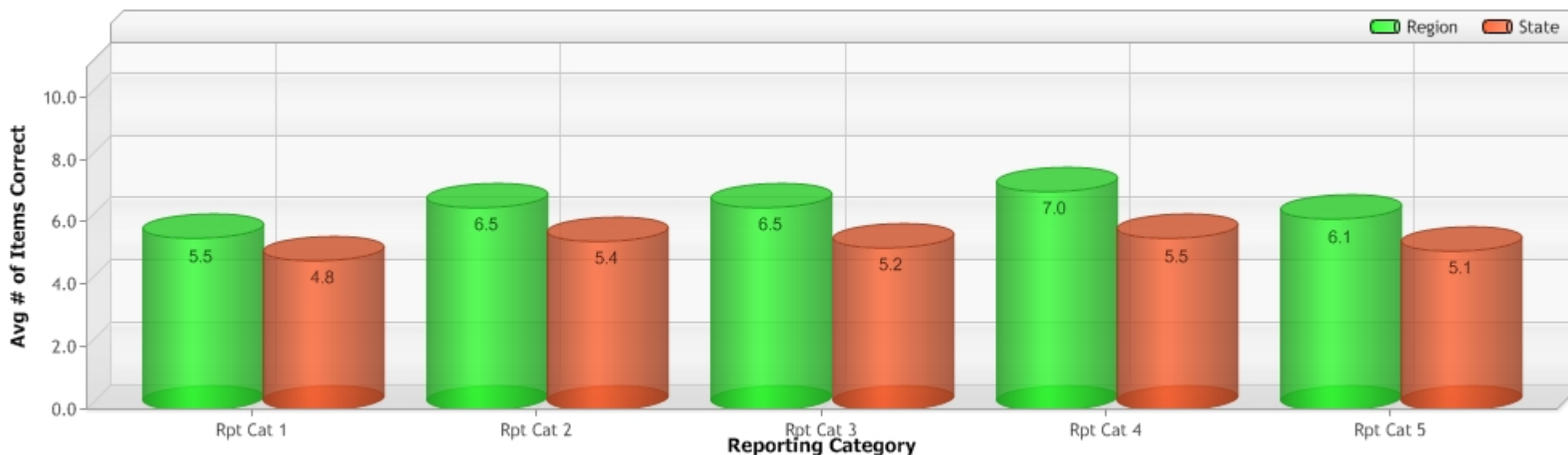
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STAAR Reporting Category Comparison for Region 12

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Rpt Cat #	Description	Tested	Region Average	State Average
1	The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things.	11	5.5	4.8
2	The student will demonstrate an understanding of the mechanisms of genetics.	11	6.5	5.4
3	The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms.	10	6.5	5.2
4	The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms.	11	7.0	5.5
5	The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance.	11	6.1	5.1

Regional data may not reflect all districts in region. It is dependent on files received and ESC partnerships.

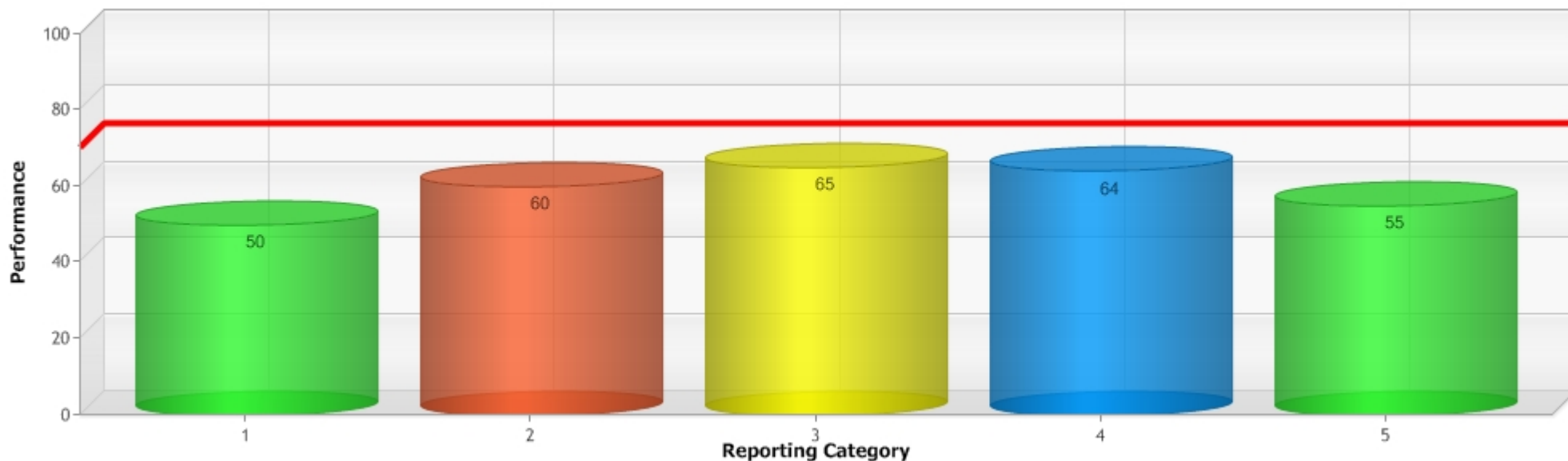


STAAR Reporting Category Performance for Region 12

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Reporting Category	Description	# of Test Points	% of Total Points	Mastery
1	The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things.	11	20%	50%
2	The student will demonstrate an understanding of the mechanisms of genetics.	11	20%	60%
3	The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms.	10	19%	65%
4	The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms.	11	20%	64%
5	The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance.	11	20%	55%

* shaded row indicates mastery below 70%





STAAR Reporting Category SE Performance for Region 12

Subject: Science Curriculum: Biology Language: E Administration: 5 2014 Test Version(s): STAAR, STAAR-L

Demographic Group(s): All Students

Student Count: 11491 Source: Admin

Reporting Category	Description	Points	Mastery	SE	Std	Course	Tested	Mastery
1	The student will demonstrate an understanding of biomolecules as building blocks of cells, and that cells are the basic unit of structure and function of living things.	11	50%	4B	R	Biology	2	41%
				4C	R	Biology	2	42%
				5A	R	Biology	2	58%
				9A	R	Biology	2	47%
				4A	S	Biology	N/T	N/T
				5B	S	Biology	1	63%
				5C	S	Biology	1	67%
				5D	S	Biology	1	47%
				9D	S	Biology	N/T	N/T
2	The student will demonstrate an understanding of the mechanisms of genetics.	11	60%	6A	R	Biology	2	61%
				6E	R	Biology	2	68%
				6F	R	Biology	2	54%
				6B	S	Biology	1	59%
				6C	S	Biology	1	79%
				6D	S	Biology	1	53%
				6G	S	Biology	1	50%
				6H	S	Biology	1	53%
3	The student will demonstrate an understanding of the theory of biological evolution and the hierarchical classification of organisms.	10	65%	7A	R	Biology	2	79%
				7E	R	Biology	2	68%
				8B	R	Biology	2	73%
				7B	S	Biology	1	53%
				7C	S	Biology	N/T	N/T
				7D	S	Biology	1	58%
				7F	S	Biology	1	51%
				7G	S	Biology	N/T	N/T
				8A	S	Biology	1	54%
4	The student will demonstrate an understanding of metabolic processes, energy conversions, and interactions and functions of systems in organisms.	11	64%	10A	R	Biology	3	68%
				10B	R	Biology	3	66%
				9B	S	Biology	1	50%
				9C	S	Biology	2	57%
				10C	S	Biology	1	82%
				11A	S	Biology	1	57%

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* Level of concern: Red - Challenging(<70%), Orange - Moderate(70-79%), Yellow - Low Risk(80-100%)



STAAR Reporting Category SE Performance for Region 12

Subject: Science Curriculum: Biology Language: E Administration: 5 2014 Test Version(s): STAAR,STAAR-L
Demographic Group(s): All Students
Student Count: 11491 Source: Admin

Reporting Category	Description	Points	Mastery	SE	Std	Course	Tested	Mastery
5	The student will demonstrate an understanding of the interdependence and interactions that occur within an environmental system and their significance.	11	55%	11D	R	Biology	2	56%
				12A	R	Biology	2	71%
				12C	R	Biology	2	30%
				12F	R	Biology	2	47%
				11B	S	Biology	N/T	N/T
				11C	S	Biology	1	63%
				12B	S	Biology	1	92%
				12D	S	Biology	N/T	N/T
				12E	S	Biology	1	49%
	Process Skills			1A	P	Biology		N/T
				1B	P	Biology		N/T
				2A	P	Biology		N/T
				2B	P	Biology		N/T
				2C	P	Biology		N/T
				2D	P	Biology		N/T
				2E	P	Biology		N/T
				2F	P	Biology		N/T
				2G	P	Biology		N/T
				2H	P	Biology		N/T
				3A	P	Biology		N/T
				3B	P	Biology		N/T
				3C	P	Biology		N/T
				3D	P	Biology		N/T
				3E	P	Biology		N/T
				3F	P	Biology		N/T

* Standard type: Green - Readiness, Blue - Supporting, Purple - Process

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STAAR TEKS Performance for Region 12

Subject: Science Curriculum: Biology Language: E Administration: 5 2014 Test Version(s): STAAR,STAAR-L
Demographic Group(s): All Students
Student Count: 11491 Source: Admin

Course	Number	Description	Tested	Weight	Mastery
Biology	2	The student uses scientific methods and equipment during laboratory and field investigations.	17	31%	63%
Biology	3	The student uses critical thinking, scientific reasoning, and problem solving to make informed decisions within and outside the classroom.	6	11%	55%
Biology	4	The student knows that cells are the basic structures of all living things with specialized parts that perform specific functions and that viruses are different from cells.	4	7%	42%
Biology	5	The student knows how an organism grows and the importance of cell differentiation.	5	9%	59%
Biology	6	The student knows the mechanisms of genetics, including the role of nucleic acids and the principles of Mendelian Genetics.	11	20%	60%
Biology	7	The student knows evolutionary theory is a scientific explanation for the unity and diversity of life.	7	13%	65%
Biology	8	The student knows that taxonomy is a branching classification based on the shared characteristics of organisms and can change as new discoveries are made.	3	6%	67%
Biology	9	The student knows the significance of various molecules involved in metabolic processes and energy conversions that occur in living organisms.	5	9%	52%
Biology	10	The student knows that biological systems are composed of multiple levels.	7	13%	69%
Biology	11	The student knows that biological systems work to achieve and maintain balance.	4	7%	58%
Biology	12	The student knows that interdependence and interactions occur within an environmental system.	8	15%	54%

* shaded row indicates mastery below 70%



STAAR TEKS Performance for Region 12

Subject: Science Curriculum: Biology Language: E Administration: 5 2014 Test Version(s): STAAR,STAAR-L

Demographic Group(s): All Students

Student Count: 11491 Source: Admin

